

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/085887 A1

(51) International Patent Classification⁷: **F16H 61/30,**
61/28

GRIFFITH, Richard, Gareth [GB/GB]; 66 Conway
Avenue, Coventry, West Midlands CV4 9HZ (GB).

(21) International Application Number:
PCT/GB2004/001240

(74) Agents: **HIBBERT, Juliet et al.**; Kilburn & Strode, 20 Red
Lion Street, London WC1R 4PJ (GB).

(22) International Filing Date: 24 March 2004 (24.03.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0307118.0 27 March 2003 (27.03.2003) GB

(71) Applicant (for all designated States except US): **RI-
CARDO UK LIMITED** [GB/GB]; Bridge Works,
Shoreham-by-Sea, West Sussex BN43 5FG (GB).

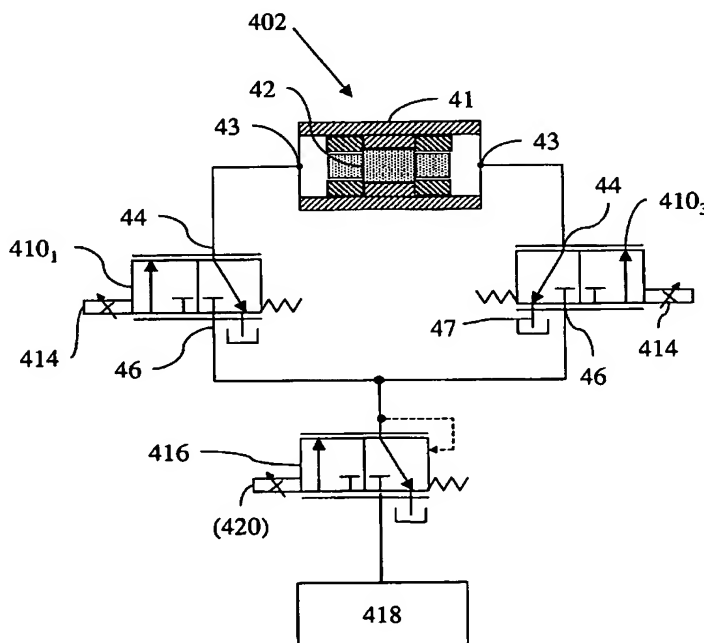
(72) Inventors; and

(75) Inventors/Applicants (for US only): **BARNES, Robert,
John** [GB/GB]; 15 St George Drive, Rawnsley, Hed-
nesford, Cannock, Staffordshire, WS12 0FB (GB).

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: TRANSMISSION ACTUATOR AND CONTROL METHOD THEREFOR



(57) Abstract: An actuator for actuating a gear shift mechanism in a vehicular transmission system, the actuator comprising: an actuator body (40) having an opening (43) for the transport of fluid into and out of the actuator body; an actuating member (42) within the actuator body, moveable by the fluid; and a control device (410, 416) operable to control independently the pressure of the fluid and the flow of the fluid.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*